What is claimed is:

1. A method for suctioning a boundary layer at a surface of an aircraft having an air-conditioning system, at whose flow-critical points of the surface multiple suction openings are provided for the boundary layer suctioning, the method comprising the step of:

feeding an air quantity suctioned from the surface to the air-conditioning system of the aircraft to reduce flow losses.

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2. The method of claim 1, the air-conditioning system having an air mixer, further comprising the step of:

feeding the air quantity suctioned to the air mixer unit of the air-conditioning system.

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- 3. The method of claim 1, further comprising the step of:
- feeding the air quantity suctioned to a conduit connection which connects a plurality of fresh air outlets of the air-conditioning system to the air mixer unit.
- 20 4. The method of claim 3, further comprising the step of:

feeding the air quantity suctioned to a line connection assigned to the unpressurized line region.

- 5. The method of claim 1, further comprising the step of:
- bringing the air quantity suctioned to cabin pressure before introducing the air quantity into a cabin region of the aircraft.
 - 6. The method of claim 1, further comprising the step of:

adjusting at least one of a temperature and humidity of the air quantity suctioned in the air-conditioning system.

- 7. The method of claim 1, further comprising the step of:
- discharging the air quantity suctioned to the atmosphere together with the exhaust air of the air-conditioning system via an outlet of the air-conditioning system.
- 8. A device for suctioning a boundary layer at a surface of an aircraft having an air-conditioning system by using suction openings for boundary layer suctioning, the openings being positioned at flow-critical points of the surface, the device comprising:

a duct system;

wherein the duct system feeds an air quantity suctioned from the surface to the air-conditioning system of the aircraft to reduce flow losses.

9. The device of claim 8, further comprising:

an exhaust;

wherein the exhaust is adapted such that the air quantity suctioned exits to the atmosphere together with the exhaust air of the air-conditioning system via an outlet of the air-conditioning system.

- 10. The device of claim 8,
- wherein the duct system is adapted to transport the air quantity suctioned discharges into an air mixer unit of the air-conditioning system.
 - 11. The device of claim 8, further comprising: a compression unit;

wherein the compression unit is integrated into the duct system and is adapted to bring the air quantity suctioned to cabin pressure before introduction into the airconditioning system.

5 12. The device of claim 8,

wherein the suction openings are positioned in the region of at least one of a wing assembly surface and tail assembly surface as flow-critical points of the surface.

10 13. The device of claim 8, further comprising:

a suction source;

wherein the duct system is connected to the suction source for generating a suction effect required for the suctioning.